



IN-SITU CAPTURE OF CARBON DIOXIDE AND
SULPHUR DIOXIDE IN A FLUIDIZED BED COMBUSTOR

ABSTRACT OF THE DISCLOSURE

Both a process and an apparatus whereby a fuel with both a high carbon content, a relatively high sulphur content and a relatively low ash content, can be combusted without the release of potentially damaged amounts of carbon dioxide and sulphur dioxide are described. Further, the process and apparatus each provide ~~a means~~ an operation whereby the carbon dioxide and sulphur dioxide emissions from the combustion of a carbonaceous fuel with both a high carbon content and a relatively high sulphur content can each be recovered as a useable product. Typically the fuel is petroleum coke, or certain grades of anthracite, coal and natural gas.